

BMP Effort Trend Analysis: April 2005



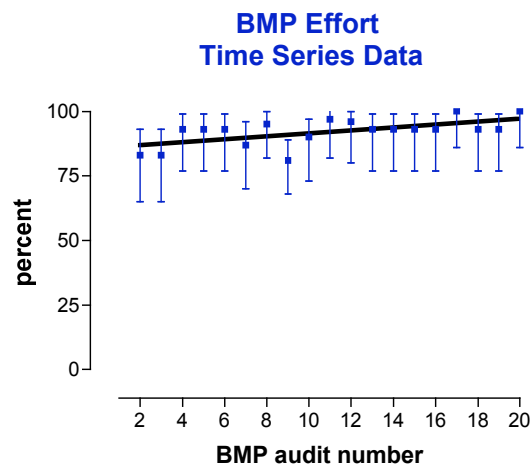
BMP Effort is a measure of the attempt to use best management practices. The question asked is: Has an effort been made to use best management practices regardless of VDOF technical specifications (yes or no)? Any evidence of an attempt to implement one or more best management practices yields a positive evaluation (yes) in this category. It is not necessary to implement a BMP fully or meet VDOF technical criteria in order to receive a positive (yes) evaluation. The State Forester's Task Force suggested the addition of this metric after the November 1993 BMP Field Audit was completed. Consequently, these data were not collected during the first BMP Field Audit.

The table below lists the percentage of sampled timber harvests in each field audit that received a positive evaluation (yes) in the BMP effort category. These data and confidence intervals are plotted on the graph. The black trend line shows that BMP effort has increased over time.¹

BMP Effort Trend: $r^2 = 0.3668$, deviation of the regression from 0 slope is statistically significant.

BMP Effort Trend

Date	Percentage	Upper 95% CI	Lower 95% CI
Nov-93	n/a	n/a	n/a
Jun-94	83%	93%	65%
Nov-94	83%	93%	66%
Jun-95	93%	99%	77%
Dec-95	93%	99%	77%
Jun-96	93%	99%	77%
Nov-96	87%	95%	70%
Jun-97	95%	99%	81%
Nov-98	81%	90%	69%
Oct-99	90%	97%	73%
Jun-00	97%	101%	81%
Nov-00	96%	101%	81%
Jul-01	93%	99%	77%
Nov-01	93%	99%	77%
Jun-02	93%	99%	77%
Nov-02	93%	99%	77%
Jun-03	100%	102%	86%
Nov-03	93%	99%	77%
Jun-04	93%	99%	77%
Nov-04	100%	102%	86%



¹ A linear regression of these data yields a positive, upward sloping, trend that is statistically significant, as represented by the black line. This means that the upward slope of the regression line is statistically different from a line with a zero slope.